Substrate wetting additive

SURFYNOL® 420

DESCRIPTION

SURFYNOL® 420 is a multi-functional surfactant that provides dynamic wetting and molecular defoaming properties. It is suitable for waterborne coatings and inks.

KEY BENEFITS

- good wetting of low-energy and/or contaminated substrates
- excellent defoaming and deaeration
- suitable for food contact compliant formulations

EFFECT

- Substrate wetting
- Anti-crater effect
- Flow promotion
- Defoaming
- Reduction of static surface tension
- Reduction of dynamic surface tension

TECHNICAL DATA

- active matter content: 100%
- appearance: clear colored liquid
- chemical description: ethoxylated acetylenic surfactant
- solvent:

SOLUBILITY

- Water
- Ethanol
- TPGDA
- Acetone
- Butylacetate
- Mineral Spirits

- not soluble
- partly soluble
- soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.1 - 1.5 %

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied or as a predilution is possible.
- Can be introduced in the grind and let-down stage.

HANDLING & STORAGE

- Keep containers tightly closed in a dry, cool, and well-ventilated place.
- Product is normally freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

TYPICAL APPLICATIONS

- General industrial coatings
- Architectural paints
- Wood coatings
- Printing Inks

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Evonik Resource Efficiency GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com